

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/004710

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H01L51/20 H01L51/50

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN          vol. 2002, no. 08,          5 August 2002 (2002-08-05)          -&amp; JP 2002 110999 A (TOSHIBA CORP),          12 April 2002 (2002-04-12)          cited in the application          abstract          paragraph '0023! - paragraph '0032!          paragraph '0043! - paragraph '0046!          paragraph '0050! - paragraph '0051!          paragraph '0083!          paragraph '0102! - paragraph '0104!</p> <p style="text-align: center;">-/-</p>	1-14

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

18 August 2004

Date of mailing of the International search report

30/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11, 28 November 1997 (1997-11-28) -& JP 09 197386 A (MITSUBISHI ELECTRIC CORP), 31 July 1997 (1997-07-31) abstract paragraphs '0014!, '0019! -----	1-14
A	US 2002/012083 A1 (TANAKA JUN ET AL) 31 January 2002 (2002-01-31) abstract paragraph '0089!; figures 1,13 -----	1-14
A	Z. BAO ET AL.: "High-Performance Plastic Transistors Fabricated by Printing Techniques" CHEM. MATER., no. 9, 1997, pages 1299-1301, XP002291916 cited in the application the whole document -----	1-14

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/JP2004/004710

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
JP 2002110999	A	12-04-2002	JP	3515507 B2		05-04-2004
JP 09197386	A	31-07-1997	NONE			
US 2002012083	A1	31-01-2002	JP TW US	2002040485 A 523629 B 2002033912 A1		06-02-2002 11-03-2003 21-03-2002